

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A method comprising:

receiving information at a content server ~~information~~ from at least one content provider;

storing at least one portion of the information;

sending the at least one portion of the information to a user terminal for display on the user terminal;

receiving notification of active keys, ~~the active keys~~ associated with a current display of the at least one portion of the information ~~displayed~~ on the user terminal;

receiving additional information at the content server, the additional information including a later version of the at least one portion of the information;

~~determining at the content server if any of the at least one portion of the information has changed by identifying~~ identifying changed information parts by determining one or more differences between the later version of the at least one portion of the information and ~~prior the stored at least one portion of the information; previously stored in a data store of the content server;~~

~~updating in the data store the stored at least one portion of the information based on the changed information parts; and from the at least one content provider that has changed; and~~

transmitting to the user terminal the changed information parts associated with the active keys to the user terminal ~~from the at least one content provider that has changed~~ without also transmitting unchanged parts of the stored at least one portion of the information. ~~information, the changed information being real-time information.~~

2. **(Currently Amended)** The method recited in claim 1, wherein the received information comprises a plurality of real-time data values, ~~from the content provider.~~

3. **(Currently Amended)** The method recited in claim 2, wherein the received additional information comprises an additional plurality of real-time data values, and wherein the ~~updating of information from the content provider~~ further comprises:

accessing a hash table containing a the plurality of ~~prior~~ real-time data values using a plurality of keys associated with the plurality of real-time data values;

determining whether the additional plurality of real-time data values ~~received from the content provider has changed~~ includes changes from the ~~prior~~ plurality of real-time data values contained in the hash table; and

updating the prior values of the plurality real-time data values contained in the hash table using values of the additional plurality of real-time data values that reflect determined changes, ~~with the plurality of real-time values received from the content provider when the plurality of real-time data values received from the content provider has changed from the plurality of prior real-time data values contained in the hash table.~~

4. **(Currently Amended)** The method recited in claim 3, wherein the transmitting of the ~~plurality of real-time data values associated with the active keys that have been updated in the hash table to the user terminal~~ further comprises:

activating a data thread when a ~~real-time data~~ value of the plurality of ~~prior~~ real-time data values is updated in the hash table;

determining ~~the~~ a position on a screen of the user terminal corresponding to the ~~real-time data~~ updated value in the hash table;

transmitting the updated value in the hash table ~~real-time data value associated with an active key~~ to the user terminal for display on the screen of the user terminal in the position indicated ~~determined~~.

5. **(Previously Presented)** The method recited in claim 4, wherein the activating step comprises activating the data thread using remote method invocation.

6. **(Currently Amended)** The method recited in claim 3, further comprising:

spawning a data server thread in response to receiving a connection request from the user terminal;

retrieving, by the data server thread, a user defined portfolio containing a plurality of keys;

generating an activated HTML page containing an embedded applet and sending the activated HTML page to the user terminal;

monitoring the plurality of keys contained in the user defined portfolio; and

identifying new ~~currently~~ active keys of said of the plurality of keys from the embedded applet.

7. **(Cancelled)**

8. **(Currently Amended)** The method recited in claim 6, comprising:
determining that whether a shutdown request has been was made; and
disconnecting all connections to the user terminal in response to determining
~~when~~ the shutdown request was made.

9. **(Currently Amended)** The method recited in claim 8, comprising:
retrieving ~~the plurality of~~ real-time data values on a periodic basis.

10. **(Currently Amended)** The method recited in claim 9, comprising:
notifying the a data server thread when a received real-time data value reflects a change over a previously received real-time data value ~~a real-time data value of the plurality of data that values have changed~~.

11. **(Currently Amended)** The method recited in claim 6, comprising:
determining whether a page change ~~changed~~ is required;
receiving, by the data server thread, a plurality of new active keys; and
transmitting the additional plurality of real-time data values to the user terminal
through the data server thread using the new active keys.

12. **(Currently Amended)** A computer-readable medium having computer-executable instructions ~~A computer program executable by computer and embodied on a computer readable medium~~ comprising:

a real-time data server code segment configured to receive real-time data values from at least one content provider, receive active keys that are associated with at least one portion of information currently displayed on a ~~the real-time data values from at least one~~ user terminal, determine changed ~~if any of the real-time data values have changed from a~~

~~prior real-time data values~~ by identifying one or more differences between the received real-time data values and ~~the~~ prior real-time data values, and transmit one or more of the changed ~~real-time~~ data values associated with ~~the one or more of the~~ active keys without also transmitting unchanged data values to the ~~at least one~~ user terminal when any of the real-time data values associated with the one or more of the active keys has ~~have~~ changed ~~from the prior real-time data values~~.

13. **(Currently Amended)** The computer-readable medium of claim 12 ~~The computer program recited in claim 12~~, wherein the real-time data server code segment further comprises:

instructions executable to store a hash table storing the prior real-time data values in a hash table and update the stored prior real-time data values with the changed data values, and being updated when the real-time data values from the content provider have changed from the prior real-time data values.

14. **(Currently Amended)** The computer-readable medium of claim 13 ~~The computer program recited in claim 13~~, wherein the real-time data server code segment further comprises:

a web engine server module code segment to access a database having a portfolio generated by a user and generate an HTML page and applet, wherein upon receipt of a connection request from the user terminal the web engine server module code segment downloads the HTML page and applet to the user terminal ~~code segment~~.

15. **(Currently Amended)** The computer-readable medium of claim 13 ~~The computer program recited in claim 13~~, wherein the real-time data server code segment further comprises:

a source filter server module code segment to receive the real-time data values, ~~from a content provider and~~ determine if the real-time data values ~~have changed~~ reflect changes from stored prior real-time data values, ~~stored,~~ and activate a data thread code segment when ~~the a real-time data values have changed~~ reflects a change from a stored prior real-time data values value.

16. **(Currently Amended)** The computer-readable medium of claim 15 ~~The computer program recited in claim 15~~, wherein the real-time data server code segment further comprises:

~~executable instructions~~ ~~a real-time data server module code segment~~ to communicate ~~between to~~ the user terminal ~~code segment and from~~ the source filter server module code segment through the data ~~server~~ thread code segment.

17. **(Currently Amended)** The computer-readable medium of claim 15 wherein ~~The computer program recited in claim 16, further comprising:~~

~~the~~ a source filter server module code segment ~~to receive the real-time data values from the content provider, and~~ includes instructions executable to update the hash table based on the received real-time values.

18. **(Cancelled)**

19. **(Currently Amended)** The computer-readable medium of claim 13 ~~The computer program recited in claim 13~~, further comprising:

a web server module code segment to communicate to the user terminal ~~code segment~~ and retrieve a portfolio specified ~~by the user terminal code segment~~ from a database; and

a pagination engine module code segment, in communication with the web server module code segment, to create ~~the~~ an HTML page and applet code segment based on the portfolio selected and the size of a screen on a user terminal.

20. **(Cancelled)**

21. **(Cancelled)**

22. **(Cancelled)**

23. **(Cancelled)**

24. **(Cancelled)**

25. **(Cancelled)**

26. (Cancelled)
27. (Cancelled)
28. (Cancelled)
29. (Cancelled)
30. (Cancelled)
31. (Cancelled)
32. (Cancelled)
33. (Cancelled)
34. (Cancelled)

35. (Currently Amended) ~~An apparatus A real-time server computer comprising memory storing computer-executable code modules that each comprise computer-executable instructions stored in the memory, said code modules comprising:~~

a source filter server module ~~configured to receive~~ that receives data from a real-time content provider, and ~~store~~ stores the received data in a keyed hash table;

a real-time data server module comprising submodules including:

a client connection submodule ~~configured to establish~~ that establishes a data server thread connection with a remote mobile terminal;

wherein ~~the real-time data server module is configured perform operations~~ when ~~any~~the data server thread connection receives an active key request from the remote mobile terminal, the ~~real-time data server module performs a method~~operations including a) querying ~~a~~ the keyed hash table for corresponding data; b) determining whether the queried data differs from data ~~currently displayed on previously sent~~ to the remote mobile terminal; ~~and~~ c) ~~sending the queried data to the remote mobile terminal~~ when the queried data differs from the data ~~currently displayed on previously sent~~ to the remote mobile terminal; ~~and~~ d) ~~not sending the queried data to the remote mobile terminal when the queried data does not differ from the data currently displayed on the remote mobile~~

~~terminal; the queried data is sent to the remote mobile terminal, otherwise the queried data is not sent to the remote mobile terminal; and~~

a web engine server module configured to communicate ~~that communicates~~ formatted data to the remote mobile terminal based on the queried data.

36. **(New)** The apparatus of claim 35, wherein the source filter server module is configured to:

access the keyed hash table containing a plurality of prior real-time data values using a plurality of keys associated with a plurality of later real-time data values;

determine whether the plurality of later real-time data values includes changes over the prior plurality of real-time data values contained in the keyed hash table; and

update the prior plurality real-time data values contained in the keyed hash table based on the determined changes.

37. **(New)** The apparatus of claim 36, wherein the web engine server module is configured to:

retrieve a portfolio selected by a user;

generate an activated HTML page containing an embedded applet for the portfolio; and

download the activated HTML page to the remote mobile terminal.

38. **(New)** The apparatus of claim 36, wherein the real-time data server module is configured to:

monitor the plurality of keys; and

identify currently active keys of said plurality of keys.

39. **(New)** The apparatus of claim 38, wherein the real-time data server module is configured to:

read the currently active keys;

determine if the currently active keys have changed;

update the keyed hash table with real-time data values for the currently active keys; and

download the updated real-time values for the currently active keys to the remote mobile terminal.

40. **(New)** The apparatus of claim 39, wherein the real-time data server module is configured to:

determine whether a shutdown request was made; and

disconnect all connections to the remote mobile terminal in response to the shutdown request.